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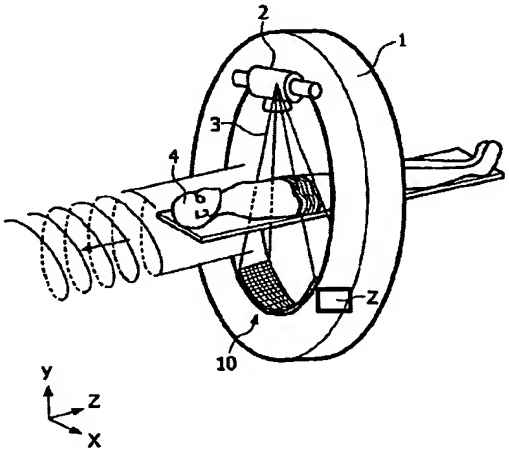
(54) Title: DETECTOR ARRANGEMENT, ESPECIALLY FOR A COMPUTER TOMOGRAPH



(57) Abstract: A detector arrangement (10) for detecting and transferring detector signals to a processing unit is described. This detector arrangement is provided in particular for use in a computer tomograph for high-resolution detection of X-rays, the processing unit being in the form of a central processing unit or buffer memory (Z) on a rotatable portion of a gantry (1). To transfer the detector signals with the minimum number of contacts or plug-in connectors also in the case of a high-resolution detector arrangement (10), this comprises at least one detector module having a plurality of individual detector elements as well as an electrical unit having an electro-optical transducer for processing the signals of the detector elements and for generating optical detector module output signals.

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